

R E M A R K S

This is a preliminary amendment for the above-captioned U.S. patent application.

The specification has been amended at various places to comply with U.S. patent practice.

Claims 1 and 9-18 are now in this application. Claims 2-8 have been cancelled, and Claims 9-18 have been added. It is respectfully submitted that Claims 9-18 are supported by the specification and Claims 1-8 as filed.

Attached hereto is a marked-up version of the changes made to the specification and claims by the current amendment. The attached page is captioned "**Version With Markings To Show Changes Made.**"

In view of the foregoing, examination of this application and Claims 1 and 9-18 is respectfully requested.

Respectfully submitted,



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Version With Markings to Show Changes Made

In the Specification:

The specification has been amended at page 1 after the title as follows:

CROSS-REFERENCE TO RELATED APPLICATION

This application is a national phase application which claims priority from International Application No. PCT/GB00/00556, which was published in English as WO 00/49724 on August 24, 2000, and which in turn claims priority from GB application No. 9903465.4.

BACKGROUND OF THE INVENTION

The following text has been added following page 4, line 14 of the specification:

SUMMARY OF THE INVENTION

A method for reducing interference between users of a carrier signal in which there are users with a high bit rate and users with a lower bit rate in which first the higher bit rate users have their interference reduced by hybrid interference cancellation (HIC) and then the interference between the other lower bit rate users is reduced by HIC and in which a different HIC configuration is used for the higher bit rate users and the lower bit rate users.

BRIEF DESCRIPTION OF THE DRAWINGS

Figure 1 depicts a block diagram of a HIC system.

Figures 2-5 depict the use of HIC with various configurations and PIC and SIC.

Figure 6 depicts a block diagram in the situation where $K=H+L$.

Figure 7 depicts an embodiment of this invention in which there are 9 low bit rate users and 1 high bit rate user.

DETAILED DESCRIPTION OF THE INVENTION

In the Claims:

Please cancel Claims 2-8.

Claims 9-18 have been added.